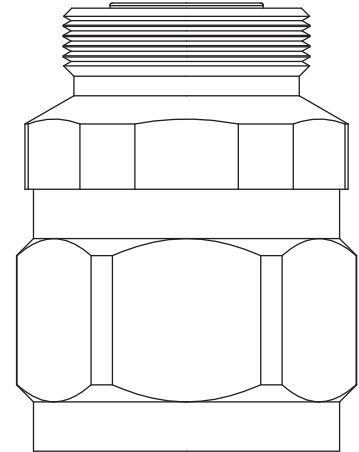


This model was previously released  
as AAC-78SWA-DF-F

## AC-78SWA-DF-F

### 7/16-DIN Female Connector for 7/8" Smooth Wall Aluminum Cable

General Characteristics		
Interface	7/16-DIN Female	
Body Style	Straight	
Cable Size	7/8"	
Cable Type	Smooth Wall Aluminum	
Electrical Characteristics		
Operating Frequency Range	DC-3.8 GHz	
Impedance ( $\pm 2$ )	50 $\Omega$	
Insertion Loss (at 2 GHz)	< 0.1 dB	
PIM	$\geq -160$ dBc	
Contact Resistance	Inner Conductor	< 0.8 m $\Omega$
	Outer Conductor	< 0.2 m $\Omega$
Insulation Resistance	$\geq 10,000$ m $\Omega$	
VSWR	$\leq 1.10$	
Proof Voltage	4000 V	
Environmental Characteristics		
Operating Temperature	-55° C to +155° C (-67° F to +311° F)	
Reference Standard	IEC60169-4	
Weather Standard	IEC 60068 55 / 155 / 56	
Mechanical Shock Test Method	US MIL-STD-202, Method 213, Test Condition I	
Thermal Shock Test Method	US MIL-STD-202, Method 107, Test Condition B	
Vibration Test Method	US MIL-STD-202, Method 204, Test Condition B	
Waterproofing Standard	IP68	
RoHS	Compliant	
Mechanical Characteristics		
Retention	$\geq 5.88$ N	
Mechanical Wear (hypo-)	500	
Tensile Force (cable-connect)	500 N	
Torsion (cable-connect)	5 N·m	
Material Characteristics		
Inner Conductor	Spring Copper, Ag5 $\mu$ m plating	
Outer Conductor	Brass, Copper-tin-zinc 2 $\mu$ m plating	
O-Ring	Silicone Rubber	
Insulator	PTFE	



Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.